

Title (en)
DEVICE FOR PROTECTING AGAINST THE UNCONTROLLED MOVEMENT OF A LIFT CAR AND SPEED LIMITER WHICH INCLUDES SUCH A DEVICE

Title (de)
VORRICHTUNG ZUM SCHUTZ GEGEN UNKONTROLLIERTE BEWEGUNGEN EINER AUFZUGSKABINE UND GESCHWINDIGKEITSBEGRENZER MIT EINER DERARTIGEN VORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION CONTRE LE MOUVEMENT INCONTRÔLÉ D'UNE CABINE D'ASCENSEUR ET LIMITEUR DE VITESSE D'UN TEL DISPOSITIF

Publication
EP 2687473 A4 20141112 (EN)

Application
EP 12758222 A 20120312

Priority
• ES 201130368 A 20110316
• ES 2012070159 W 20120312

Abstract (en)
[origin: EP2687473A1] Device for protecting against the uncontrolled movement of a lift car, which is suitable for being coupled to a speed limiter having a pulley (2) on a shaft (3), said device comprising: a ring gear (5) connected to the pulley; a pivoting support means (6) which can be coupled to the shaft (3), carries out a pivoting movement with respect to said shaft (3) and includes a blocking mechanism which acts on the ring gear (5) by means of an electromagnet, a solenoid or the like; and an electrical detector which is connected to the blocking mechanism and the movement trajectory of the pivoting support means (6) and, when the blocking means act on the ring gear (5), when the pivoting support means (6) has carried out an angular movement, the electrical detector sends an activation signal to a control unit connected to the lift in order to actuate means for stopping the lift car.

IPC 8 full level
B66B 5/02 (2006.01); **B66B 5/04** (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP ES)
B66B 5/04 (2013.01 - EP ES); **B66B 5/044** (2013.01 - EP); **B66B 5/18** (2013.01 - ES)

Citation (search report)
[A] US 4923055 A 19900508 - HOLLAND GORDON A [US]

Cited by
CN105502126A; DE202019000697U1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2687473 A1 20140122; EP 2687473 A4 20141112; EP 2687473 B1 20170104; ES 2363311 A1 20110729; ES 2363311 A8 20110913; ES 2363311 B1 20120605; WO 2012123607 A1 20120920

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